

Fig. 1

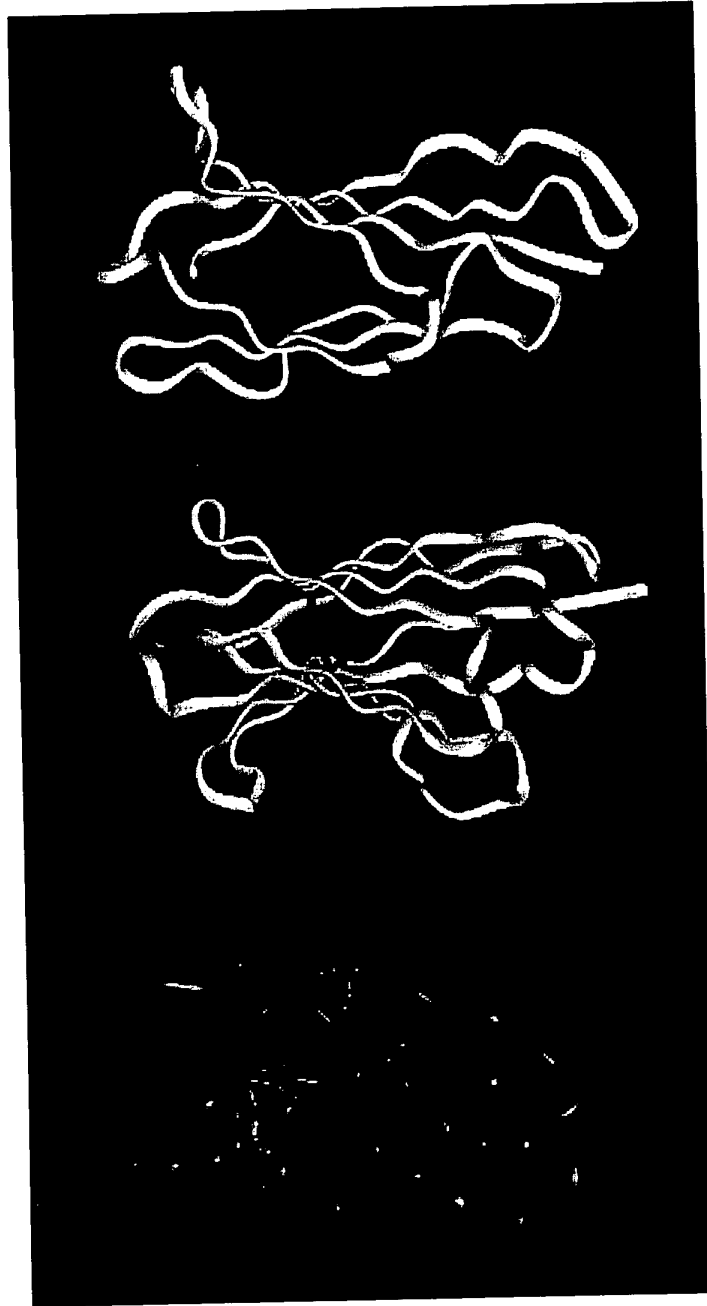


Fig. 2

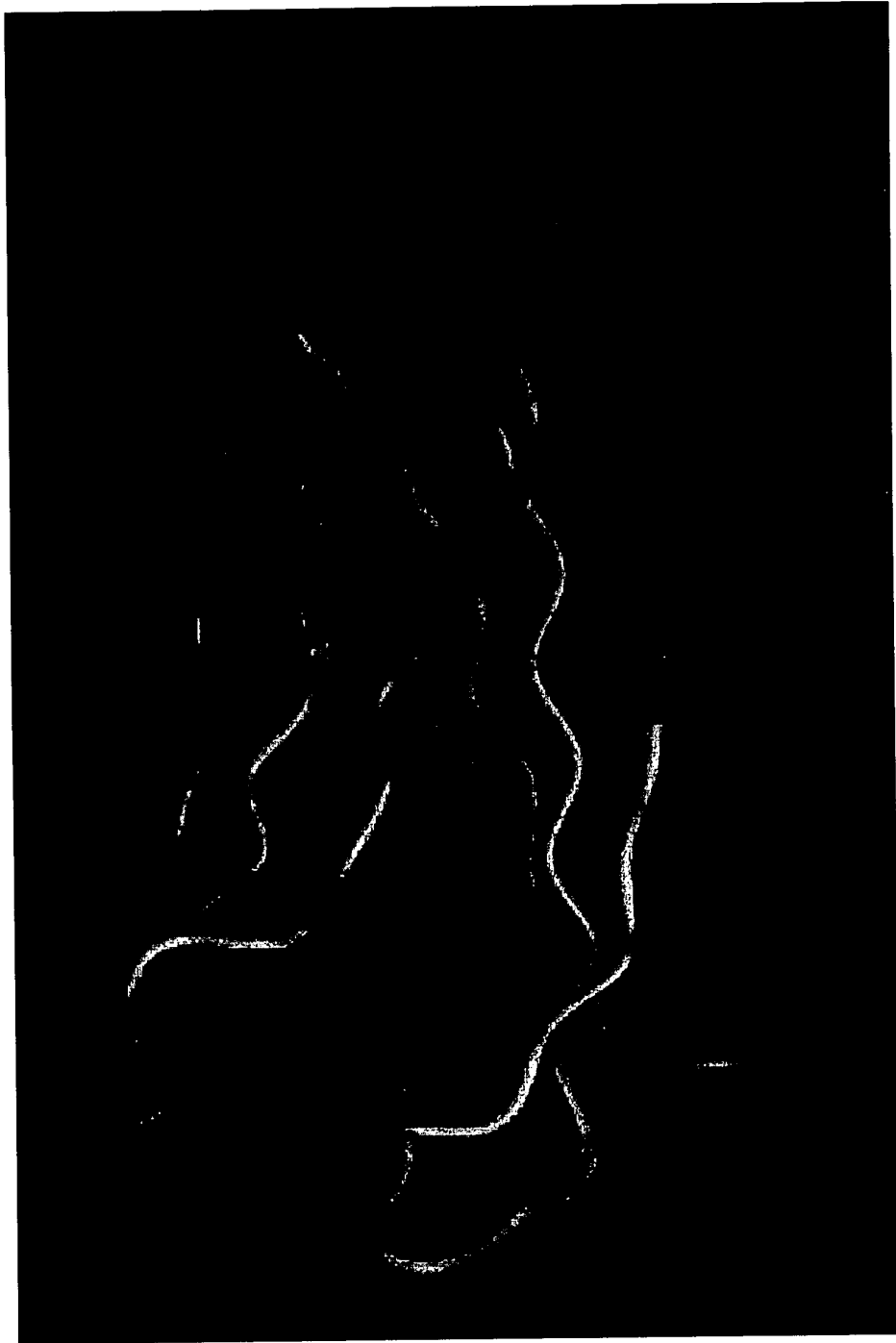


Fig. 3

Hs FND	1	9	10	19	20	29	30	37	38	47	48	57	58	67	68	77	78	87	88	94
Bt FN	VSDVPRD-LE	VVAATPTSLL	ISWDAPAVTV	RYRITYG--	RYRITYG--	ETGSSPVQE	ETGSSPVQE	ETGSSPVQE	ETGSSPVQE	FTVPGSKSTA	TISGLKPGVD	YITITVAVTG	YITITVAVTG	YITITVAVTG	YITITVAVTG	RGDSPASSKP	ISINYRT	ISINYRT	ISINYRT	94
Rn FN	VSDVPRD-LE	VIAATPTSLL	ISWDAPAVTV	RYRITYG--	RYRITYG--	ETGSSPVQE	ETGSSPVQE	ETGSSPVQE	ETGSSPVQE	FTVPGSKSTA	TISGLKPGVD	YITITVAVTG	YITITVAVTG	YITITVAVTG	YITITVAVTG	RGDSPASSKP	VSINYQT	VSINYQT	VSINYQT	1510
Mm FN	VSDVPRD-LE	VIAATPTSLL	ISWEPASVS	RYRITYG--	RYRITYG--	ETGSSPVQE	ETGSSPVQE	ETGSSPVQE	ETGSSPVQE	FTVPGSKSTA	TINAIKPGAD	YITITVAVTG	YITITVAVTG	YITITVAVTG	YITITVAVTG	RGDSPASSKP	VSINYQT	VSINYQT	VSINYQT	1611
Oc FN	VSDVPRD-LE	VIAATPTSLL	ISWEPASVS	RYRITYG--	RYRITYG--	ETGSSPVQE	ETGSSPVQE	ETGSSPVQE	ETGSSPVQE	FTVPGSKSTA	TINAIKPGAD	YITITVAVTG	YITITVAVTG	YITITVAVTG	YITITVAVTG	RGDSPASSKP	VSINYQT	VSINYQT	VSINYQT	712
Gg FN	VSDVPRD-LE	VNPTSPTSLE	ISWDAPAVTV	RYRITYG--	RYRITYG--	ETGSSPVQE	ETGSSPVQE	ETGSSPVQE	ETGSSPVQE	FTVPGSKSTA	TISGLKPGVD	YITITVAVTG	YITITVAVTG	YITITVAVTG	YITITVAVTG	RGDSPASSKP	VTVTYKT	VTVTYKT	VTVTYKT	64
Xl FN	VSDVPTD-LE	VTSSSPNTLT	ISWEAPASVS	RYRITYS--	RYRITYS--	OTGSGHPEKE	OTGSGHPEKE	OTGSGHPEKE	OTGSGHPEKE	FTVPGTSTNA	TIRGLNPGVS	YITITVAVTG	YITITVAVTG	YITITVAVTG	YITITVAVTG	RGDSPASSKP	LTIIHKT	LTIIHKT	LTIIHKT	443
Cf FN	AiDAPSn-Lr	FLATTPnSLL	VSQpPrArI	TGVIKYE--	TGVIKYE--	kpGSPPrEV	kpGSPPrEV	kpGSPPrEV	kpGSPPrEV	prprPGVTeA	TITGLPeGTE	YTIQVIAIKn	YTIQVIAIKn	YTIQVIAIKn	YTIQVIAIKn	NQKSePLIGr	kKtDEL-	kKtDEL-	kKtDEL-	1611
Ec FN	AiDAPSn-Lh	FLATTPnSLL	ISWQpPrArI	TGVIKYE--	TGVIKYE--	kpGSPPrEV	kpGSPPrEV	kpGSPPrEV	kpGSPPrEV	prphPGVTeA	TITGLPeGTE	YTIQVIAIKn	YTIQVIAIKn	YTIQVIAIKn	YTIQVIAIKn	NQKSePLIGr	rKtDEp-	rKtDEp-	rKtDEp-	197
Hs TC	VS-PPKD-Lv	VTeVTeetVN	LAWDn-eMrV	TeYlVWYTP-	TeYlVWYTP-	-THEGGLiEMQ	-THEGGLiEMQ	-THEGGLiEMQ	-THEGGLiEMQ	FrVPGDQST	IIQeLePGVE	YFIRVFALLe	YFIRVFALLe	YFIRVFALLe	YFIRVFALLe	NKKSipVSAr	V-----	V-----	V-----	686
Ss TP	VS-PPKD-Li	VTeVTeetVN	LAWDn-eMrV	TeYlVWYTP-	TeYlVWYTP-	-THEGGLiEMQ	-THEGGLiEMQ	-THEGGLiEMQ	-THEGGLiEMQ	FrVPGDQST	TIRELePGVE	YFIRVFALLe	YFIRVFALLe	YFIRVFALLe	YFIRVFALLe	NKKSipVSAr	V-----	V-----	V-----	686
Mm TX	MidGPQD-Lr	VVAVTPTTLD	LSWlrPQAEV	DrFVVSIV--	DrFVVSIV--	--SAGNqRvR	--SAGNqRvR	--SAGNqRvR	--SAGNqRvR	LeVPPeADrT	QLTGLMPGVE	YVVTVAERG	YVVTVAERG	YVVTVAERG	YVVTVAERG	HAVSypASIr	ANTG---	ANTG---	ANTG---	889
Hs CAP	TlpVPvSLn	IYdVGPTTTH	VQWQp-VGGA	TGVLISYkPV	TGVLISYkPV	kDTEpTrpKE	kDTEpTrpKE	kDTEpTrpKE	kDTEpTrpKE	LeVPPeADrT	QLTGLMPGVE	YVVTVAERG	YVVTVAERG	YVVTVAERG	YVVTVAERG	HAVSypASIr	ANTG---	ANTG---	ANTG---	1551
Oc C12	TlpVPvSLn	IYdVGPTTTH	VQWQp-VGGA	TGVLISYkPV	TGVLISYkPV	kDTEpTrpKE	kDTEpTrpKE	kDTEpTrpKE	kDTEpTrpKE	LeVPPeADrT	QLTGLMPGVE	YVVTVAERG	YVVTVAERG	YVVTVAERG	YVVTVAERG	HAVSypASIr	ANTG---	ANTG---	ANTG---	322
Gg C14	LalpmaSDIk	LYdVShSSMR	AKWnG-VAGA	TGYMILYAPL	TGYMILYAPL	TEGLAADEKE	TEGLAADEKE	TEGLAADEKE	TEGLAADEKE	IKIGEASTeL	ELDGLLPNTE	YTVTVYAMF-	YTVTVYAMF-	YTVTVYAMF-	YTVTVYAMF-	YTVTVYAMF-	YTVTVYAMF-	YTVTVYAMF-	YTVTVYAMF-	508
Hs U1	LalpmaSDLi	LYdVTenSMR	VKWDA-VpGA	SGYLILYAPL	SGYLILYAPL	TEGLAGDEKE	TEGLAGDEKE	TEGLAGDEKE	TEGLAGDEKE	MKIGETHITdI	ELSGLLPNTE	YTVTVYAMFG	YTVTVYAMFG	YTVTVYAMFG	YTVTVYAMFG	eaASDpVTGq	e-----	e-----	e-----	321

var.

cons.	P	<u>L</u>	V	SL	<u>W</u>	V	Y	I	<u>Y</u>	I	L	PGVD	<u>Y</u>	ITV	<u>A</u>	G	<u>S</u>	P
	M	I	I	TV		A	F	V		L	I	NTE	AS	VL	R	N		R
			L	M		I												E
			<u>F</u>															

CAP	Collagen alpha precursor	BOLD	identical to Hs FND
C12	Collagen type 12	lower case	non-conservative substitution (charge reversal, change between hydrophobic and charged, addition or removal of P)
FND	Fibronectin type III domain	-	position of non-conservative substitutions
FN	Fibronectin		
TP	Tenascin precursor		
TC	Tenascin-C		
U1	Undulin 1		

Bt	Bovis taurus	cow
Cf	Canis familiaris	dog
Ec	Equus caballus	horse
Ss	Sus scrofa	pig
Hs	Homo sapiens	human
Oc	Oryctolagus cuniculus	rabbit
Xl	Xenopus laevis	African clawed frog

Fig. 4



Fig. 5

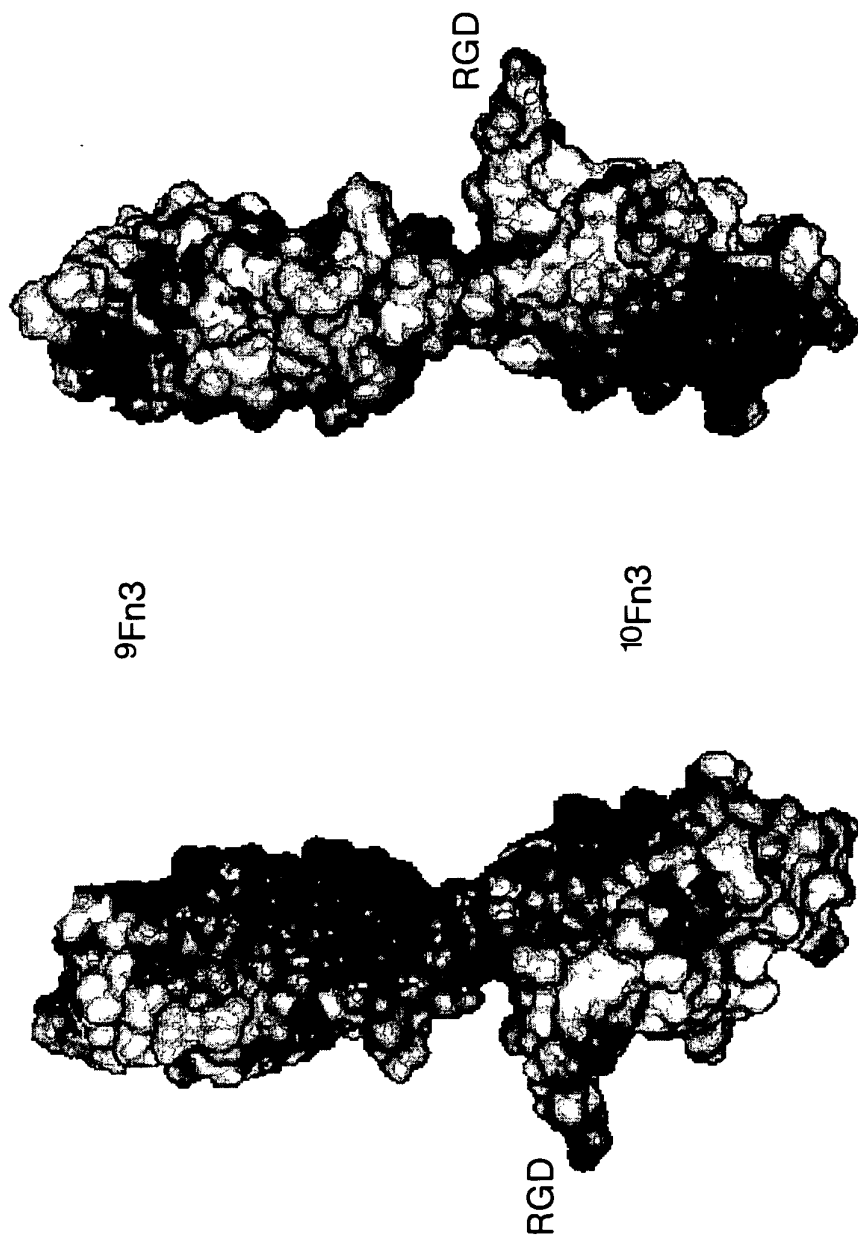


Fig. 6

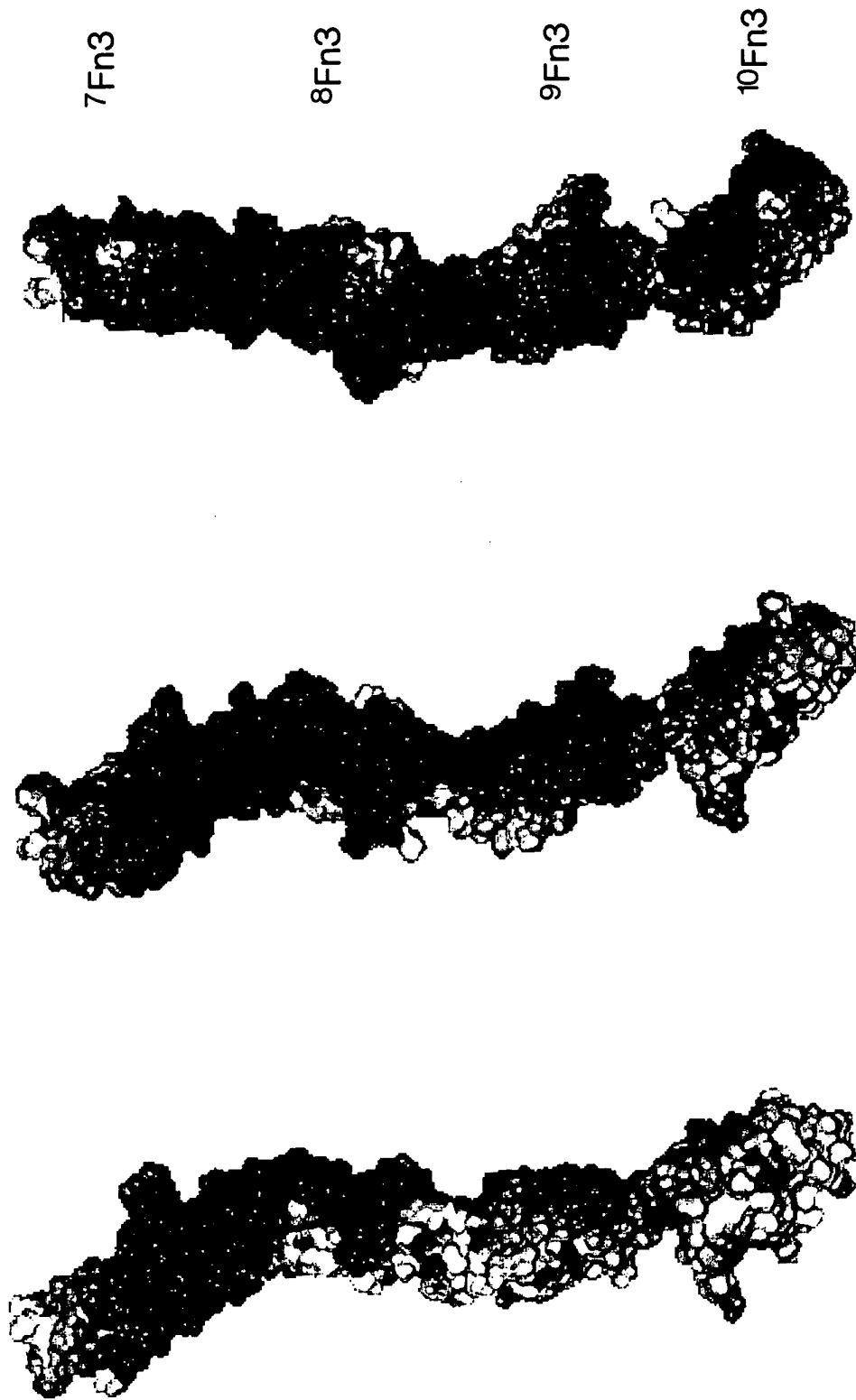


Fig. 7

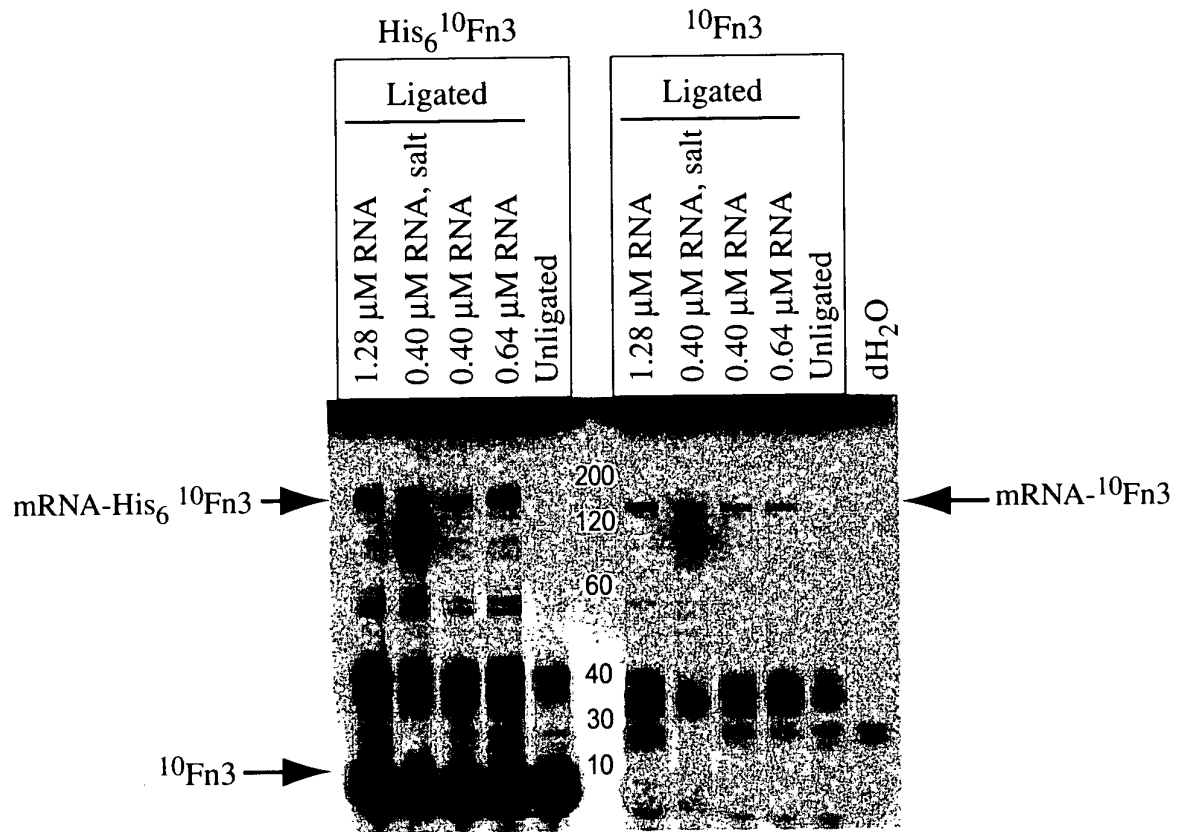


Fig. 8

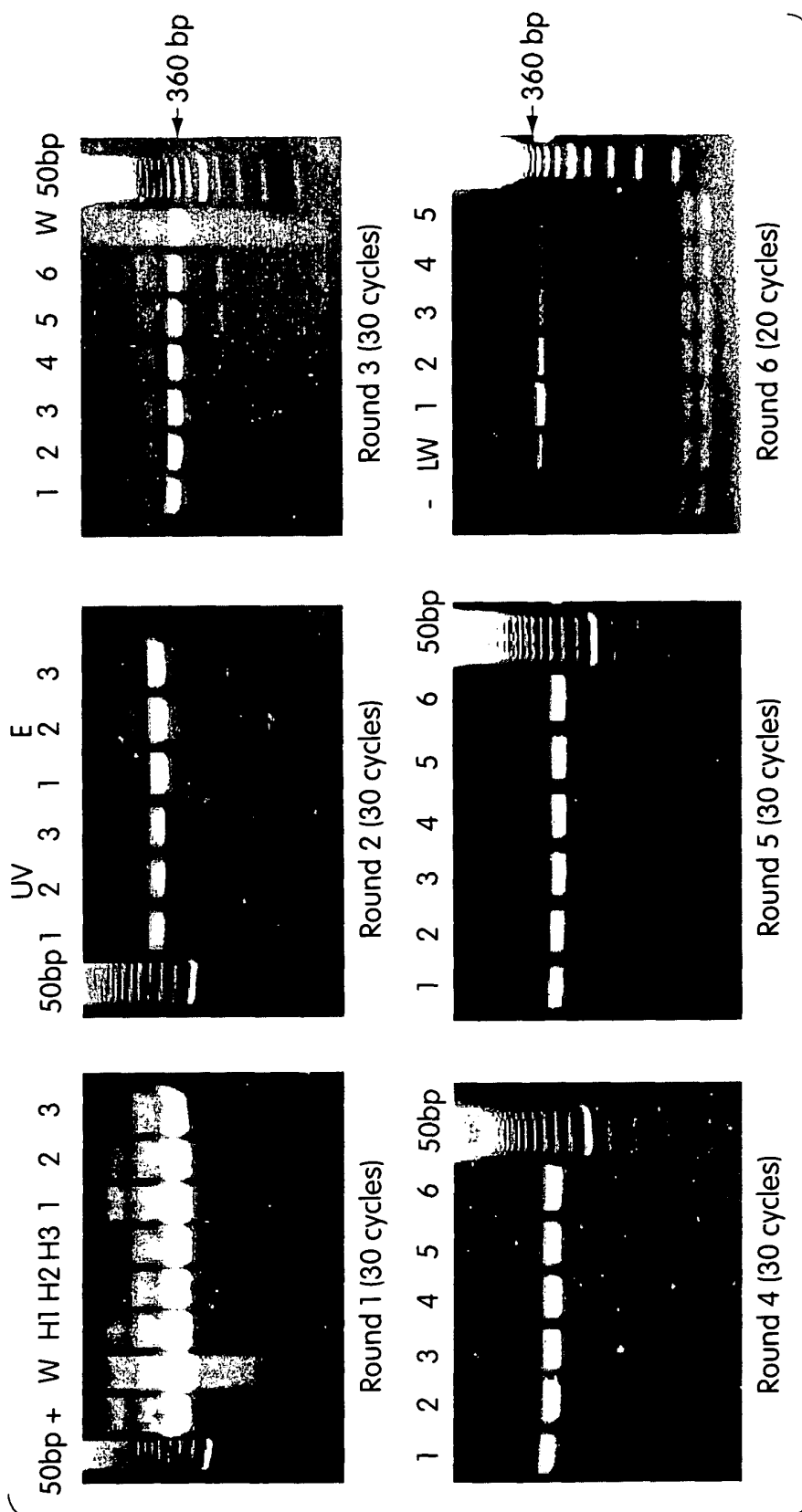


Fig. 9

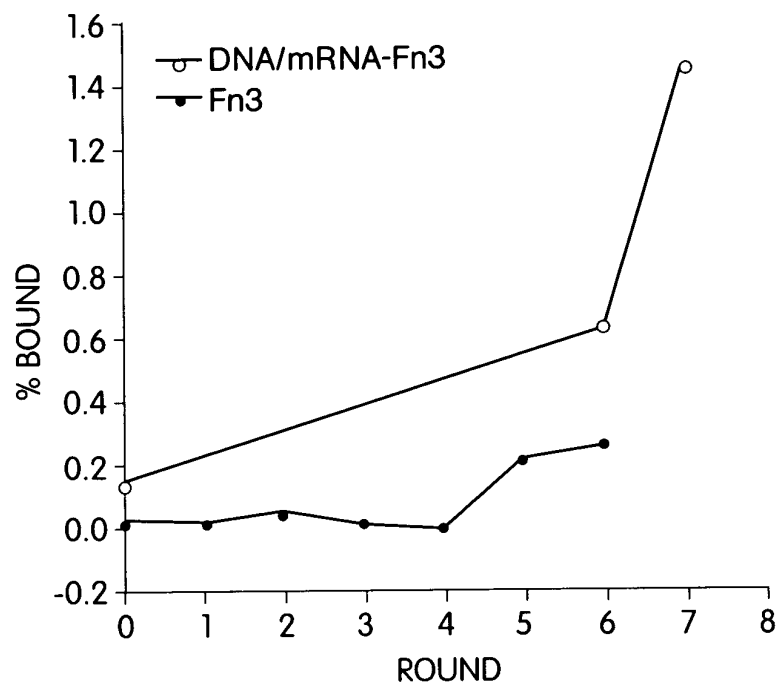


Fig. 10

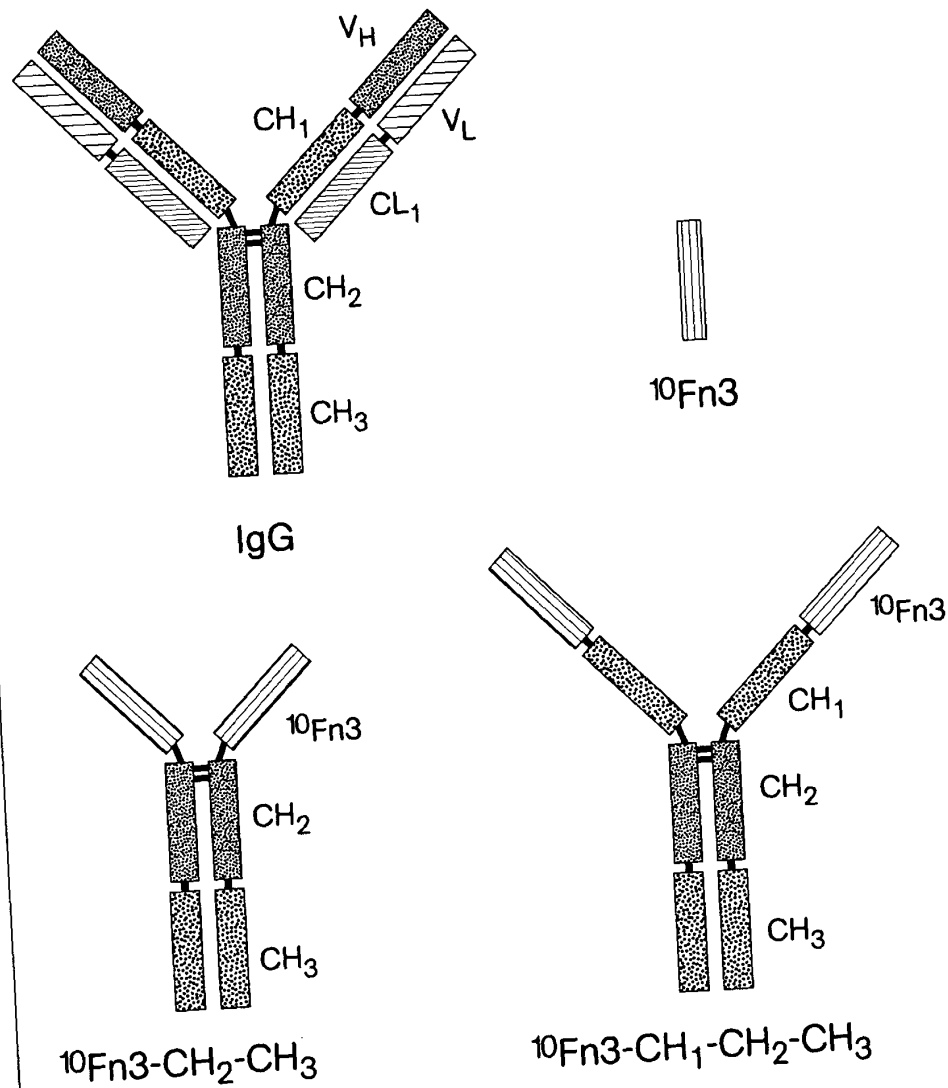


Fig. 11

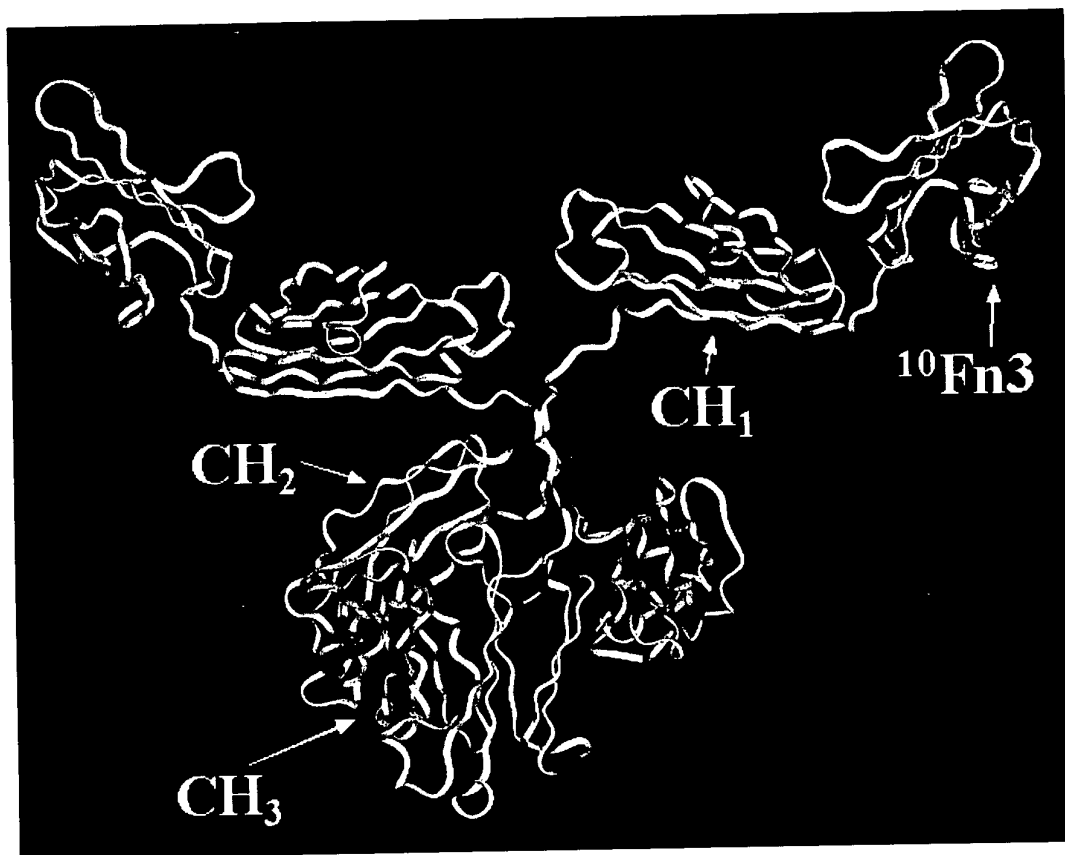


Fig. 12

FIG. 13

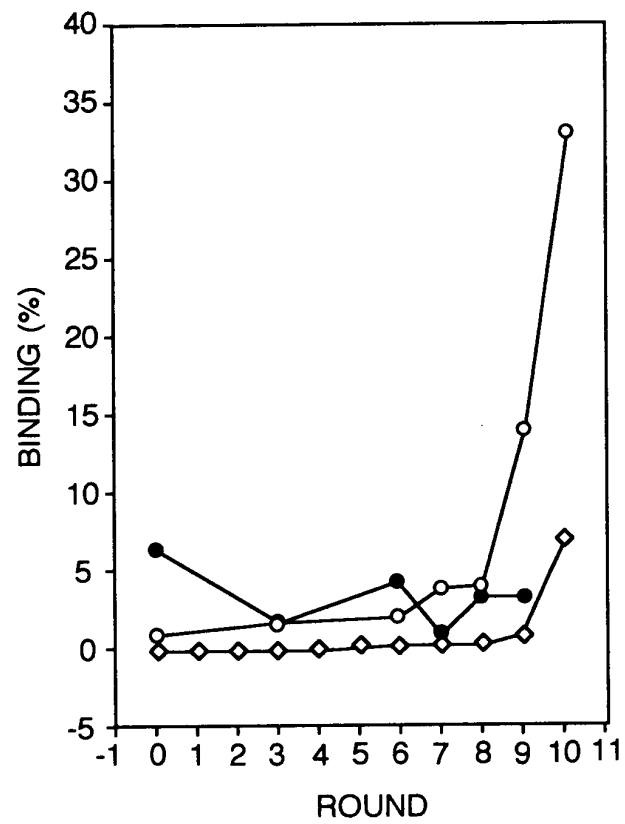


FIG. 14

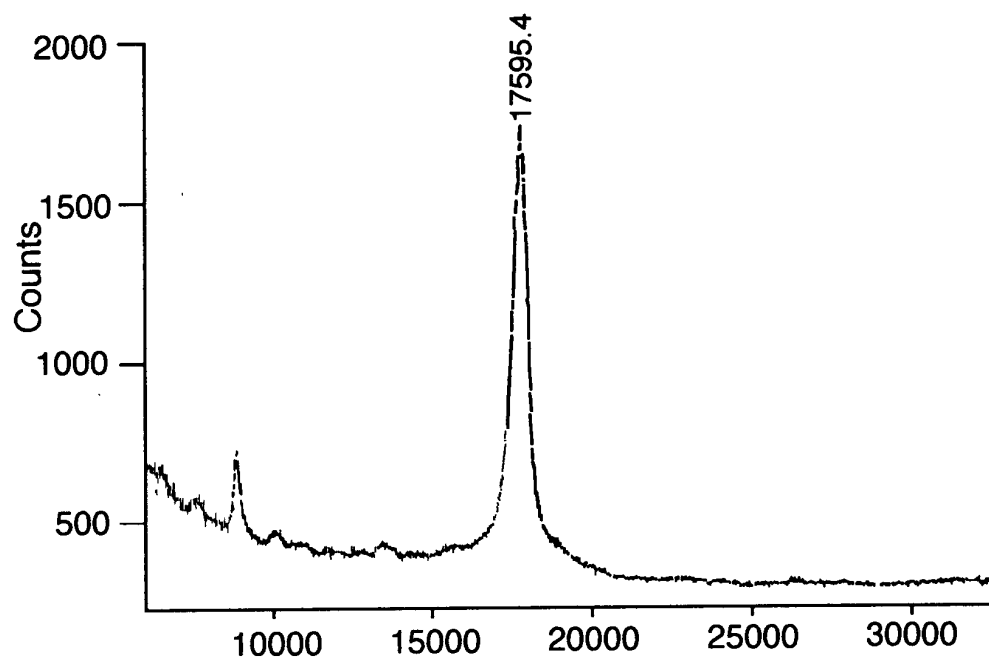


FIG. 15

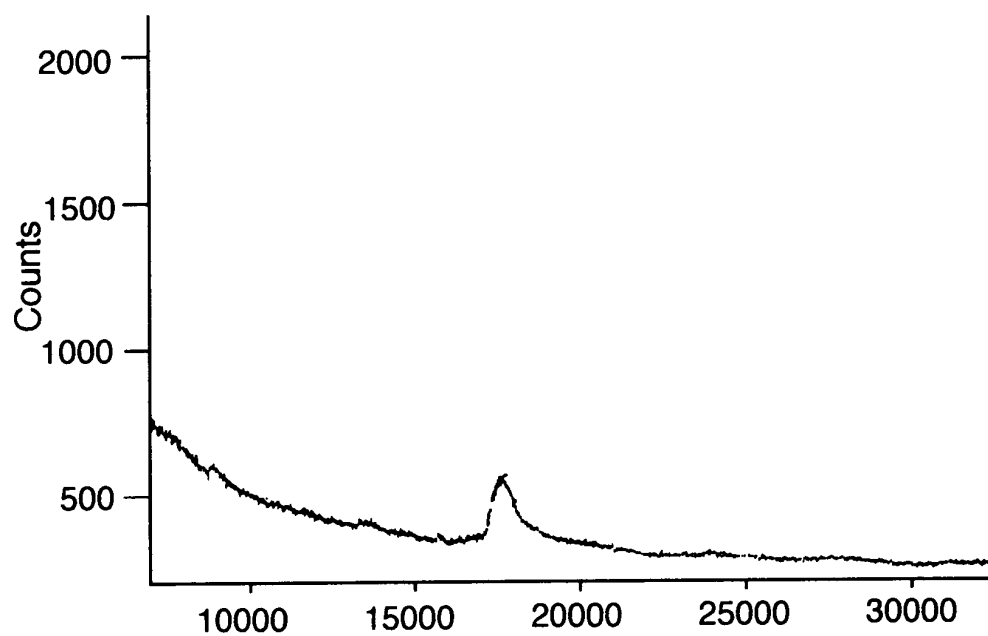


FIG. 16

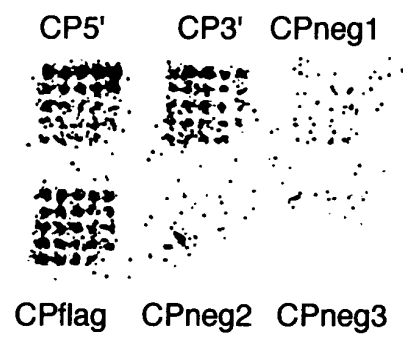


FIG. 17

